To: Delancey, George J LRL[George.J.Delancey@usace.army.mil]
From: Blankenship, Melissa
Sent: Tue 2/4/2014 3:35:09 PM
Subject: RE: Isolated? (UNCLASSIFIED)

Well, based on their explanation that final pit impoundments and large acreages of saturated spoil are part of this larger interconnected hydrologic system in reclaimed areas north and east of the Seven Hills permit boundary, seems to me, the same might apply to the systems of final pit impoundments and wetlands within the permit area, but I don't have any details. Which final pits and wetlands exactly, are they calling isolated?

-----Original Message-----
From: Delancey, George J LRL [mailto:George.J.Delancey@usace.army.mil]
Sent: Monday, February 03, 2014 9:53 AM
To: Blankenship, Melissa
Subject: Isolated? (UNCLASSIFIED)

Classification: UNCLASSIFIED
Caveats: NONE

If someone wrote this (below) in their application (CIA) and then requested that some final pits and wetlands on reclaimed ground be called isolated, what would you say?

"Areas of previous mining north and east of the Seven Hills Mine have resulted in large acreages of saturated spoil and interconnected final pit impoundments. These hydrologic systems developed during the mining process when the overburden was broken up by blasting and removed to recover the coal. The disrupted overburden, or spoil, which was originally solid rock became a heterogeneous mixture of particles ranging in size from clays to boulders. The transition of low permeability consolidated rock to moderately permeable unconsolidated spoil has increased groundwater recharge and storage capacity. These spoil areas absorb considerable recharge from precipitation and slowly release it as base flow to streams and open water bodies. The net effect is an increase in base flow of the receiving streams and a decrease in peak flows."

George DeLancey
USACE-CELRL-OP-FW
Newburgh Regulatory Office
6855 State Road 66
PO Box 489
Newburgh, IN 47630
george.j.delancey@usace.army.mil
Fax(812)858-2678

Classification: UNCLASSIFIED
Caveats: NONE